



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

MAR - 1 2002

Indian Health Service
Rockville MD 20857

TO: Area Directors
Area Planning Officers
Area Statistical Officers

FROM: Acting Director
Office of Public Health

SUBJECT: Final User Population Estimates - FY 2001

FY 2001 user population estimates have been finalized and the official estimates are included in the attached tables. These estimates are the result of a collaborative effort among the Headquarters Statistics Program, the Area Statistical Officers, the Information Technology Support Center, the Data Quality Action Team and Area staff communicating with the Tribes to reconcile and validate the numbers. Release of the final estimates follows Area review and coordination with Tribes. These estimates were produced according to the established statistical concept of user population that has been used in prior years, i.e., an unduplicated count by residence of Indian registrants who have had a direct or contract inpatient, ambulatory, or dental encounter with the health system during the last 3 years. We believe these estimates are the most accurate ever produced by the Indian Health Service.

These estimates are the appropriate population denominator to determine the inpatient and ambulatory care workload utilization rates and disease-specific rates, and are also to be used for facility planning for the next year. Their use for determining tribal shares has been addressed by the IHS User Population Workgroup II in its final report to the IHS Director, issued January 15, 1998. Now that the process is in place we will be able to update these user population estimates annually.

The attached table contains the final user population estimates (last column) and the data used in developing the estimates. Comments from the Areas were taken into account when finalizing the estimates. A description of the columns is also attached.

Any questions can be directed to Edna Paisano, Principal Statistician and Director, Statistics Program, Office of Public Health, IHS Headquarters. She can be reached on (301) 443-1180 or e-mail address: epaisano@hqe.ihs.gov.

Page 2 - Area Directors
Area Planning Officers
Area Statistical Officers

I would like to personally thank everyone who worked so diligent on this project. The level of effort was incredible and the spirit of cooperation that evolved as we worked toward our common goal is very much appreciated by all of us in Headquarters.

for Candace M. Jones
Gary J. Hartz, P.E.
Assistant Surgeon General

Attachments(2)

Descriptions Of The Table Columns

Column 1, Indian Registrants -- This is the total count of Indian registrants that were in the IHS National Patient Information Reporting System (NPIRS) Patient Registration data base as of September 30, 2001. The registrants were tabulated by their service unit of residence. A registrant is considered Indian if (1) the Tribe Code is designated as "Indian"; or (2) the Tribal designation is "unspecified", and the classification and/or the Indian blood quantum code is "Indian."

Column 2, Active Indian Registrants -- This is the count of those Indian Registrants in the NPIRS data base who had at least one direct or Contract inpatient stay, ambulatory care visit or dental visit between October 1, 1998 and September 30, 2001.

Column 3, Indian User Population Estimate -- This is, in most cases, the same as the number of Active Indian Registrants shown in Column 2. Exceptions occur when there is documentation demonstrating inadequate workload information systems coverage for a service unit. This typically occurred because of data processing problems beyond an Area's control, the workload from a tribal contractor was seriously underreported, or there was less than three years of workload data for a new tribe. For these service units, the number of active Indian registrants was manually calculated based upon the results of an on-site sample survey or by extensive evaluation of local level data by Area Statistical Officers, including accurate application of the active user definition. All proposed adjustments were reviewed by the Headquarters Statistics Program and were carefully evaluated to ensure that decisions were made on a fair, reasonable, and mathematically sound basis.

March 1, 2002

IHS User Population Estimates by Area - FY 2001

	<u>FY 2001 Indian Registrants</u>	<u>FY 2001 Active Indian Registrants</u>	<u>FY 2001 Indian User Population Estimates</u>
All Areas	2,113,739	1,312,686	1,345,242
Aberdeen	180,942	113,976	114,083
Alaska	171,541	115,060	118,648
Albuquerque	134,045	83,090	83,090
Bemidji	123,707	84,214	90,763
Billings	106,952	67,147	67,147
California	107,219	56,711	66,617
Nashville	51,005	36,965	44,434
Navajo	352,991	224,969	224,969
Oklahoma	488,109	281,600	285,172
Phoenix	208,663	135,225	135,604
Portland	148,881	90,323	91,309
Tucson	39,684	23,406	23,406

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	<u>FY 2001 Indian Registrants</u>	<u>FY 2001 Active Indian Registrants</u>	<u>FY 2001 Indian User Population Estimates</u>
Aberdeen Area - Total	180,942	113,976	114,083
Cheyenne River	11,962	7,939	7,939
Crow Creek	5,919	3,471	3,471
Flandreau-Santee Sioux *	2,866	1,614	1,614
Fort Berthold	8,866	5,738	5,738
Fort Totten	7,769	4,920	4,920
Lower Brule	3,033	1,926	1,926
Northern Ponca *	3,017	1,648	1,648
Omaha *	5,014	3,419	3,419
Pine Ridge	33,190	21,179	21,179
Rapid City	18,735	10,526	10,526
Rosebud	19,536	12,069	12,069
Sac and Fox *	2,106	1,372	1,372
Sisseton-Wahpeton	9,884	5,699	5,699
Standing Rock	15,458	8,865	8,865
Trenton *	1,790	1,514	1,514
Turtle Mountain	17,792	13,369	13,369
Winnebago	6,490	3,936	3,936
Yankton-Wagner	7,515	4,772	4,879 ^{1/}

* Tribally Operated Service Unit

1/ Knox County adjusted using Area average active user factor due to extensive underreporting problems.

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	FY 2001 Indian <u>Registrants</u>	FY 2001 Active Indian <u>Registrants</u>	FY 2001 Indian User Population <u>Estimates</u>
Albuquerque Area - Total	134,045	83,090	83,090
Acoma-Canoncito-Laguna	16,294	11,166	11,166
Albuquerque	54,110	30,620	30,620
Jicarilla	4,986	3,097	3,097
Mescalero	5,783	4,220	4,220
Santa Fe	27,339	17,048	17,048
Southern Colorado	9,786	5,466	5,466
Ysleta Del Sur *	1,311	702	702
Zuni-Ramah	14,436	10,771	10,771

* Tribally Operated Service Unit

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	<u>FY 2001 Indian Registrants</u>	<u>FY 2001 Active Indian Registrants</u>	<u>FY 2001 Indian User Population Estimates</u>
Bemidji Area - Total	123,707	84,214	90,763
Central Wisconsin *	26,877	19,243	19,243
Eastern Michigan *	25,953	16,427	14,625 1/
Fond du Lac *	8,852	5,218	5,218
Grand Portage *	666	475	475
Greater Leech Lake	13,152	9,301	9,301
Mille Lacs *	2,841	2,164	2,175 2/
Minnesota River *	2,558	344	1,764 3/
Nett Lake *	1,952	1,221	1,182 1/
Nicolet *	5,296	3,990	3,990
NW Wisconsin *	12,096	8,508	8,508
Red Lake	9,060	7,056	7,095 1/
Western Michigan *	4,347	2,734	2,925 1/
White Earth	10,057	7,533	7,533
Unassigned Tribes	-	-	6,729 4/

* Tribally Operated Service Unit

1/ Data corrected to adjust for geographic coding problems on reports, and realign correctly by tribe.

2/ Data corrected to adjust for geographic coding problems.

3/ CHS reporting problems. Area statistical officer manually reviewed tribal data for correct application of definition.

4/ Pass through number for tribes not assigned to a service unit; based on estimated enrollment and estimated users.

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	FY 2001 Indian <u>Registrants</u>	FY 2001 Active Indian <u>Registrants</u>	FY 2001 Indian User Population <u>Estimates</u>
Billings Area - Total	106,952	67,147	67,147
Blackfeet	16,806	11,180	11,180
Crow	17,185	11,428	11,428
Flathead *	17,538	10,757	10,757
Fort Belknap	7,650	4,739	4,739
Fort Peck	14,734	8,529	8,529
Northern Cheyenne	10,719	6,393	6,393
Rocky Boy *	6,925	4,339	4,339
Wind River	15,395	9,782	9,782

* Tribally Operated Service Unit

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	FY 2001 Indian Registrants	FY 2001 Active Indian Registrants	FY 2001 Indian User Population Estimates
California Area - Total	107,219	56,711	66,617
Berry Creek/Mooretown *	5,288	3,164	3,164
Cabazon*	6	2	2
Central Valley I.H.P. *	8,980	5,626	5,604 1/
Chapa De I.H.P. *	5,751	3,303	3,303
Colusa T.H.P. *	272	140	140
Consolidated T.H.P. *	4,126	2,848	2,848
Greenville *	1,951	1,189	1,189
HUPA Health Association *	4,203	2,802	2,802
Indian Health Council *	7,298	4,446	4,446
Karuk T.H.P. *	3,235	1,851	1,851
Lake County I.H.P. *	2,416	1,635	1,635
Lassen County I.H.P. *	1,416	970	970
Modoc I.H.P. *	363	143	156 2/
Northern Valley I.H., Inc. *	2,258	1,428	1,428
Pit River I.H. Consort. *	1,280	870	870
Quartz Valley *	196	104	104
Redding Rancheria I.H.P. *	4,124	3,372	3,700 3/
Riverside-San Bernardino *	17,267	248	9,739 4/
Round Valley I.H.P. *	1,451	1,066	1,066
Santa Ynez I.H.P. *	990	722	722
Shingle Springs *	1,444	839	839
Sonoma County I.H.P. *	6,372	3,809	3,809
Southern I.H.P. *	4,122	2,433	2,433
Sycuan Medical Center *	34	5	79 2/
Table Mountain*	--	--	22 1/
Toiyabe I.H.P. *	4,538	2,722	2,722
Tule River I.H.P. *	5,533	2,645	2,645
Tuolumne Rural I.H.P. *	2,748	1,931	1,931
United I.H. Services *	9,361	6,286	6,286
Warner Mountain *	196	112	112

* Tribally Operated Service Unit

1/ Table Vally was formerly included in Central Valley

2/Adjustment made to correct geographic coding errors.

3/ Redding is using new Health Pro software and exporting directly to NPIRS. Adjustment made to correct for incomplete reporting resulting from system compatibility problem.

4/Adjustment based on a comprehensive site survey. Did not use RPMS during this time period.

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	<u>FY 2001 Indian Registrants</u>	<u>FY 2001 Active Indian Registrants</u>	<u>FY 2001 Indian User Population Estimates</u>
Nashville Area - Total	51,005	36,965	44,434
Alabama-Coushatta *	1,245	844	844
Catawba*	1,721	980	980
Cherokee	12,541	9,549	9,549
Chitimacha *	595	520	429 1/
Choctaw *	9,040	7,883	7,883
Coushatta *	507	423	423
Houlton Band of Maliseet *	394	347	347
Jena Band of Choctaw *	--	--	131 2/
Miccosukee *	709	593	701 3/
Micmac *	621	449	449
Mohegan *	--	--	998 4/
Narragansett *	1,393	646	666 3/
Oneida *	2,538	1,635	1,635
Passamaquoddy-Ind. Township *	954	749	809 3/
Passamaquoddy-Pleasant Pt. *	1,140	926	926
Penobscot *	1,677	1,254	1,254
Pequot *	1,399	880	880
Poarch Creek *	2,559	1,880	1,880
St. Regis Mohawk *	6,640	3,696	4,075 2/
Seminole *	4,504	3,115	3,454 5/
Seneca *	119	34	5,535 6/
Tunica-Biloxi *	296	264	264
Wampanoag of Gayhead *	413	298	322 7/

* Tribally Operated Service Unit

1/ Manual review by Tribe identified coding problem at the local level that inflated the number in their favor and they requested a reduction in the estimate.

2/ Area statistical officer manually reviewed data with the tribe to develop estimate, using approved definition. Geographic coding problems.

3/ Area statistical officer manually reviewed data with the tribe, using approved definition.

4/ CHS only site, Area statistical officer manually reviewed data with the tribe, using approved definition.

5/ CHS reporting problem. Area statistical officer manually reviewed data with the tribe, using approved definition.

6/ Non-RPMS site that does not submit data to NPIRS. Area statistical officer conducted a manual review using approved definition.

7/ Incomplete reporting.

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	<u>FY 2001 Indian Registrants</u>	<u>FY 2001 Active Indian Registrants</u>	<u>FY 2001 Indian User Population Estimates</u>
Navajo Area - Total	352,991	224,969	224,969
Chinle	50,802	32,665	32,665
Crownpoint	29,583	19,584	19,584
Fort Defiance	44,344	24,367	24,367
Gallup	58,831	41,309	41,309
Kayenta	29,355	17,810	17,810
Shiprock	69,591	48,214	48,214
Tuba City	45,271	26,594	26,594
Winslow	25,214	14,426	14,426

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	FY 2001 Indian <u>Registrants</u>	FY 2001 Active Indian <u>Registrants</u>	Fy 2001 Indian User Population <u>Estimates</u>
Oklahoma Area - Total	488,109	281,600	285,172
Ada *	45,535	28,784	28,784
Claremore	146,822	81,441	81,965 1/
Clinton	16,462	9,026	9,026
Eagle Pass *	641	10	10
Haskell	11,089	4,012	4,012
Holton	4,245	2,585	2,585
Lawton	35,494	21,857	21,906 1/
Pawnee	26,711	13,486	14,505 1/
Shawnee	56,592	28,588	30,565 1/
Tahlequah	81,019	52,534	52,536 1/
Talihina *	48,915	30,450	30,450
Wewoka	14,584	8,827	8,828 1/

* Tribally Operated Service Unit

1/ Tribes no longer report into NPIRS. Adjusted by comparison match of tribally-operated database with IHS national database using same methodology used by NPIRS.

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	<u>FY 2001 Indian Registrants</u>	<u>FY 2001 Active Indian Registrants</u>	<u>FY 2001 Indian User Population Estimates</u>
Phoenix Area - Total	208,663	135,225	135,604
Colorado River	10,537	7,133	7,133
Duck Valley	1,738	1,229	1,444 1/
Elko	3,922	2,428	2,428
Fort Yuma	5,494	3,557	3,557
Keams Canyon	8,960	5,802	5,802
Phoenix	91,558	54,736	54,736
Gila River HCC	26,678	18,592	18,592
San Carlos	14,353	10,842	10,842
Schurz *	19,351	11,909	11,909
Uintah & Ouray	6,741	4,565	4,729 2/
Whiteriver	19,331	14,432	14,432

* Tribally Operated Service Unit

1/ Corrections for geographic coding error on reports.

2/ Adjustment made for local data entry problem. Area statistical officer has verified the need for adjustment.

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	<u>FY 2001 Indian Registrants</u>	<u>FY 2001 Active Indian Registrants</u>	<u>FY 2001 Indian User Population Estimates</u>
Portland Area - Total	148,881	90,323	91,309
Coeur d'Alene *	6,503	3,544	3,568
Colville	10,653	7,364	8,181
Fort Hall	9,061	5,973	5,973
Klamath *	4,132	2,617	2,133
Neah Bay	4,954	3,248	3,573 1/
Northern Idaho	5,782	3,591	3,536
Northwest Washington *	9,359	6,274	6,467 2/
Puget Sound	18,397	9,616	10,813 3/
Puyallup *	15,452	8,849	7,525
Southern Oregon *	4,808	2,731	3,353 4/
Taholah *	6,038	3,338	3,788
Umatilla *	4,086	2,738	2,738
Warm Springs	7,447	5,218	5,331
Wellpinit	4,638	3,031	2,245
Western Oregon	20,732	10,325	10,244
Yakima	16,839	11,866	11,841

* Tribally Operated Service Unit

NOTE: Estimates have been redistributed among the service units.

1/ Includes adjustment for Jamestown, which does not use RPMS. Verified by Area statistical officer.

2/ Includes adjustment for Lummi to correct for CHS reporting problems. Verified by Area statistical officer.

3/ Includes adjustment for Sauk-Suiattle to correct for CHS reporting problems, addition of Snoqualmie (new tribe) and adjustment for geographic coding problem. Verified by Area statistical officer.

4/ Includes adjustment for Coos to correct for CHS and dental reporting problems. Verified by Area statistical officer.

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	<u>FY 2001 Indian Registrants</u>	<u>FY 2001 Active Indian Registrants</u>	<u>FY 2001 Indian User Population Estimates</u>
Tucson Area - Total	39,684	23,406	23,406
Sells	32,181	17,884	17,884
Pascua Yaqui	7,503	5,522	5,522

March 1, 2002

IHS User Population Estimates by Area and Service Unit - FY 2001

	<u>FY 2001 Indian Registrants</u>	<u>FY 2001 Active Indian Registrants</u>	<u>FY 2001 Indian User Population Estimates</u>
Alaska Area - Total	171,541	115,060	118,648
Anchorage	63,318	42,048	43,084 1/
Annette Is. Ind. Res. *	1,924	1,303	1,303
Barrow *	6,446	4,511	4,511
Bristol Bay Area *	7,895	5,661	5,661
Interior Alaska *	20,918	13,349	13,349
Kotzebue *	9,978	7,108	7,108
Mt. Edgecumbe *	24,108	14,348	14,829 2/
Norton Sound *	8,272	4,757	6,828 3/
Yukon-Kuskokwin-Delta *	28,682	21,975	21,975

* Tribally Operated Service Unit

1/ Reporting problems for small tribes in remote locations. Aleutian Pribilof, Chugachmiut, Copper River, Eastern Aleutian Tribes, Eklutna, Kenaitze, Ninilchik and Seldovia were adjusted using an active factor (.6804) derived from the remainder of the service unit.

2/ Data entry problems for two clinics trying to initiate RPMS data entry. A third clinic also had data entry problems. Adjusted using an Area active user factor (.6895).

3/ Norton Sound was adjusted by 2,071 users that were determined by ITSC to be lost in the Dec. 2001 re-load of patient registration. Norton Sound does not use RPMS.